HQS MARS AND STATION WAR/K4USA—AIR/K4AF

The office of Chief MARS Army is in Room BE1000, The Pentagon, Washington 25, D. C. Visitors are welcome Monday through Friday 8:30AM—5PM.

The office of Chief MARS Air Force is in Room 1-217, Tempo "E" Bldg, 4th and Adams Drive, S. W., Washington 25, D. C. Visitors are welcome Monday through Friday 8AM—4:30PM.

MARS Hqs station WAR/AIR located on the Concourse of the Pentagon, Washington, D. C., operates 24 hours 7 days a week. Visitors are always welcome. Those who can furnish proof of a General or higher class amateur license may operate the station equipment when scheduled operations permit.

ARMED FORCES DAY ACTIVITIES

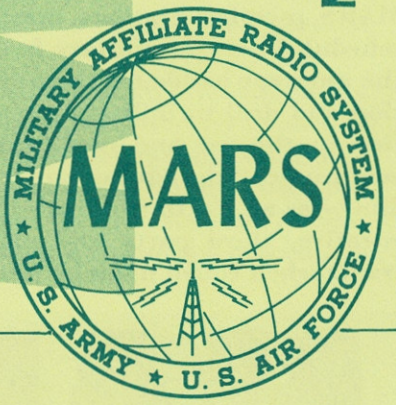
The Chiefs of MARS representing respectively the Departments of Army and Air Force in coordination with the Amateur Liaison Officer, Department of the Navy, conduct the Amateur Radio Program during the Department of Defense sponsored Armed Forces Day which occurs on the third Saturday of May each year. Amateurs throughout the world are invited to participate in these Armed Forces Day amateur radio activities.

January 1958

GPO : 1958 O - 454559

MARS

MILITARY AFFILIATE RADIO SYSTEM



WHAT IS MARS?

The Military Affiliate Radio System (MARS) is an organization of and for licensed amateur radio operators who are interested in military radio communication. MARS is a joint program under the jurisdiction of the Chief Signal Officer, Department of the Army and the Director of Communications and Electronics, Department of the Air Force. Policy is determined jointly, but operational control is separate.

WHAT DOES MARS DO?

MARS creates interest and furthers training in military communications.

Provides an additional source of trained volunteer radio communication personnel and a system-in-being as an auxiliary means of communication instantly available to military commanders during local or national emergencies.

Offers training designed to stimulate interest in military or commercial electronic career fields.

HOW DOES MARS OPERATE?

MARS member stations meet periodically in scheduled nets on military frequencies outside the amateur bands for the purpose of instruction and drill in military procedures, instruction in the use and modification of military communications equipment, and for the handling—as an aid to training—of MARS administrative, third party and official emergency traffic when called upon by proper authority.

MARS

AM I ELIGIBLE TO JOIN?

The answer is *YES* if you .....

Are 16 years of age or older

Hold a valid amateur radio license issued by the Federal Communications Commission

- MARS membership runs concurrently with the term of your FCC license and must be renewed or modified when your amateur license is renewed or modified. Expiration or revocation of your amateur license automatically terminates your MARS membership . . .

Possess a station in operation capable of operating on at least two MARS frequencies with an accuracy of frequency within one hundredth of one percent (0.01%)

- Amateur radio clubs with Trustee type licenses, and military unit and base amateur radio stations with 602 type licenses are also eligible for MARS membership . . .

Membership in MARS is purely voluntary. It is not a substitute for nor does it impose any obligation for military service in the Armed Forces of the United States.

HOW CAN I JOIN?

Fill out completely the application DD Form 630—two copies if for MARS Army, three copies if for MARS Air Force.

MILITARY AFFILIAT

Mail the forms to the Army Area or Numbered Air Force Command MARS Director of the area or command in which your station is located. If you are on active duty in the Air Force submit the forms to the Base MARS Director of the base to which you are assigned.

Application forms may be obtained from the attendant at any MARS display booth or by mail from any Army Area or Numbered Air Force Command MARS Director.

—See list of addresses on reverse side—

Military Unit Stations—Army

Submit FCC Form 602 through Army Area MARS Director. FCC amateur radio license 602 type will be received direct from FCC. Upon receipt of 602 license submit two copies of DD Form 630 to Army Area MARS Director.

Military Base Stations—Air Force

Submit FCC Form 602 together with three copies of DD Form 630 through the Command MARS Director of the Air Force Command to which the base station is assigned.

WHAT WOULD BE MY RESPONSIBILITIES?

To participate in some phase of the MARS program at least six credit hours each three months.

To submit an activity report to your MARS Director every month.

To operate in accordance with the rules and regulations prescribed for MARS as contained in communications publications furnished each MARS member.

E RADIO SYSTEM

HOW WOULD I BENEFIT?

By receiving a membership certificate authorizing operation on military—MARS—frequencies, operating manuals, and operating crystals as available.

By receiving the MARS Bulletin, a quarterly publication for, of and by MARS members.

By receiving on-the-air training in military communications procedures and instruction in the use and modification of military communications equipment.

By becoming eligible for electronic extension sub-courses of the U. S. Army Signal Corps School and the U. S. Air Force Institute upon completion of six months active membership.

By receiving excess and obsolete electronic communications equipment and supplies for experimentation, modification and cannibalization. Issue of such items based on availability of equipment, length of membership, active participation, and possible assigned mission of individual activity.

By receiving credits for MARS participation towards promotion and retirement in the Reserve Military Program if you are a military reservist.

By receiving a MARS issued certificate to aid in obtaining a military communications assignment upon enlistment in the Armed Forces.

By friendly association with an ever-increasing number of fellow amateurs devoted to volunteer military and public emergency communications service through the study, use and further improvement in the accuracy, reliability and speed of communications procedures and systems.

MARS

HOW CAN I GET ADDITIONAL INFORMATION?

By contacting the attendant at any MARS display booth or by writing to any MARS Director listed below.

ARMY

Commanding General, . . . Army
ATTN: Signal Officer (MARS Director)
First U. S. Army: Governors Island, New York.
N. Y., Vt., R. I., N. H., Maine, Mass., Conn., N. J.
Second U. S. Army: Fort George G. Meade, Md.
Penn., Ohio, Ky., W. Va., Md., Va., Del., D. C.
Third U. S. Army: Fort McPherson, Ga.
Tenn., N. C., S. C., Miss., Ala., Ga., Fla.
Fourth U. S. Army: Fort Sam Houston, Tex.
Okla., Tex., N. Mex., Ark., La.
Fifth U. S. Army: Chicago, Ill.
Wyo., Colo., Kans., Nebr., Mo., Iowa, N. Dak., S. Dak., Minn., Wis., Ill., Ind., Mich.
Sixth U. S. Army: The Presidio of San Francisco, Calif.
Wash., Oreg., Calif., Nev., Ariz., Idaho, Mont., Utah.

AIR FORCE

Commanding General, . . . Air Force
ATTN: MARS Command Director
First Air Force: Mitchel Air Force Base, N. Y.
N. Y., Vt., R. I., N. H., Maine, Mass., Conn., N. J., Ohio, Ky., Va., Pa., Del., Md.
Fourth Air Force: Hamilton Air Force Base, Calif.
Wash., Oreg., Mont., Idaho, Utah, Nev., Ariz., Calif.
Tenth Air Force: Selfridge Air Force Base, Mich.
N. Dak., S. Dak., Wyo., Colo., Kans., Nebr., Minn., Wis., Iowa, Mo., Ill., Ind., Mich.
Fourteenth Air Force: Robbins Air Force Base, Ga.
N. Mex., Okla., Ark., Tenn., W. Va., N. C., S. C., Ga., Ala., Fla., Miss., La., Tex.

TYPICAL MARS ARMY AND AIR FORCE FREQUENCIES

Army (kc)
2220 2258 2308 2360 3237 3245 3275 3289
4020 4025 4820 5208 5302.5 5395 148.01(mc)

Air Force (kc)
2040 3295 3365 4061 4450 4595 5840 6995
7635 13980 14375 15515 18155 20960 143.46(mc)

TYPICAL ARMY SIGNAL CORPS AND AIR FORCE INSTITUTE ELECTRONIC SUB-COURSES

Army—
Mathematics, Electrical Fundamentals AC–DC, Power Supplies and Regulation, Theory of Application of Electron Tubes, Fundamentals of Radio, AM Radio Receivers and Transmitters, Television I, Cathode Ray Tubes and Associated Circuits, R–F Transmission Lines, Electronic Test Equipment, Fixed Station Radio Fundamentals, Television II, Wave Propagation and Antennas, Higher Frequency Techniques, Frequency Prediction.

Air Force—
Communications Mathematics, Magnetism, Electrical Fundamentals, D–C Circuits, Introduction to A–C, Analysis of A–C Circuits, Radio Fundamentals, Electron Tubes, Power Supplies, Principles of Amplification, Amplifiers and Oscillators, Receivers, Transmission and Radiation, Microwave Propagation, Frequency Modulation.